

Appln. No. 10/758,554  
 Submission Dated Jan. 18, 2005  
 Reply to Notice of Sept. 15, 2004  
 Replacement Sheet

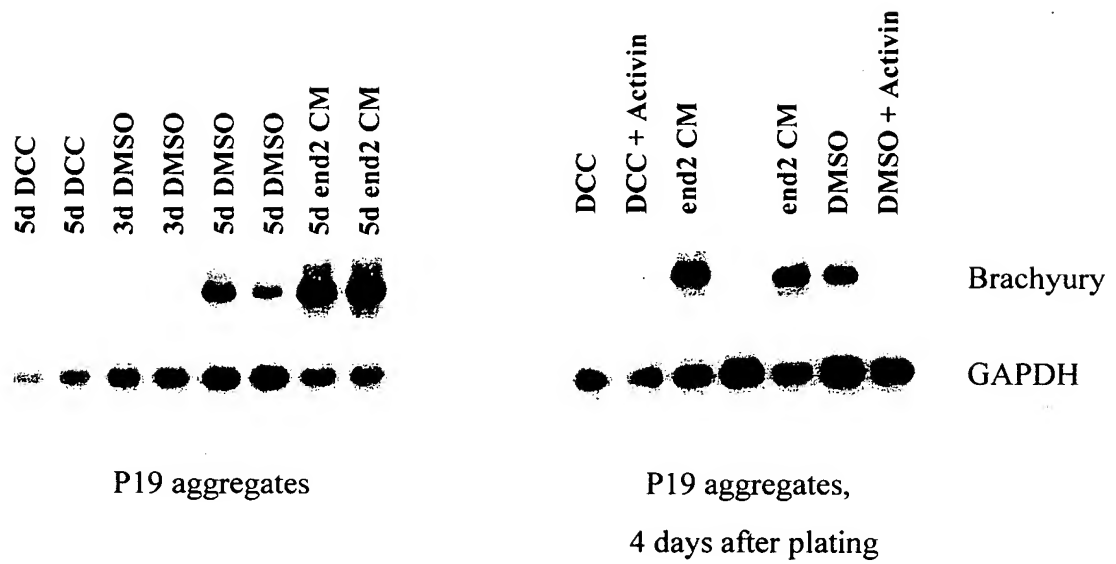
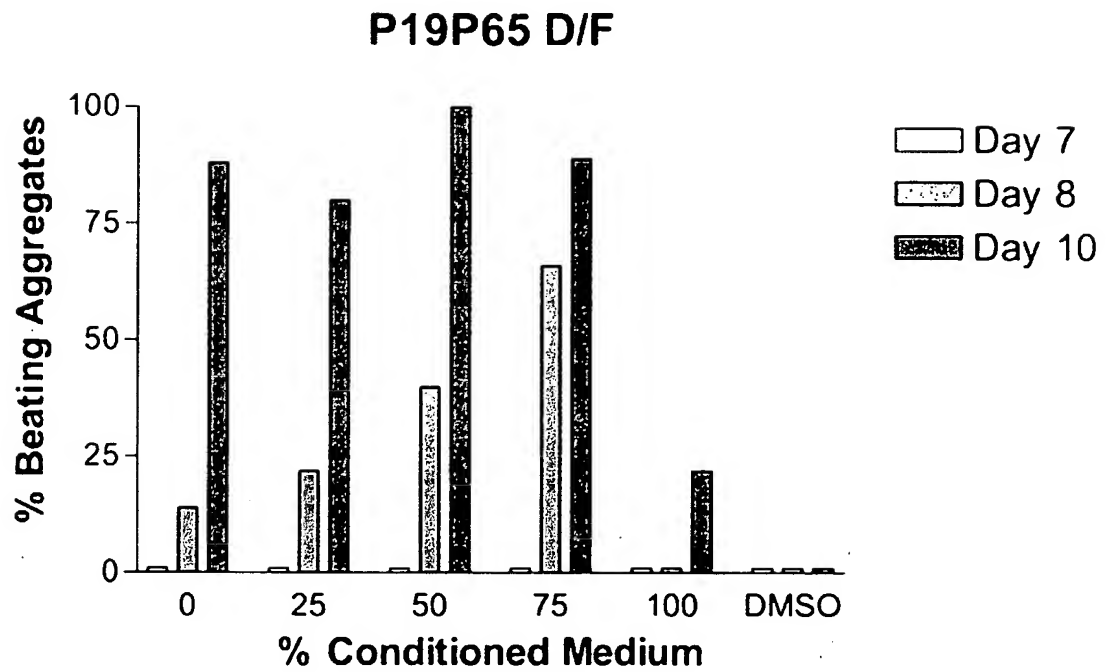


Fig. 10B

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**Fig. 10A**

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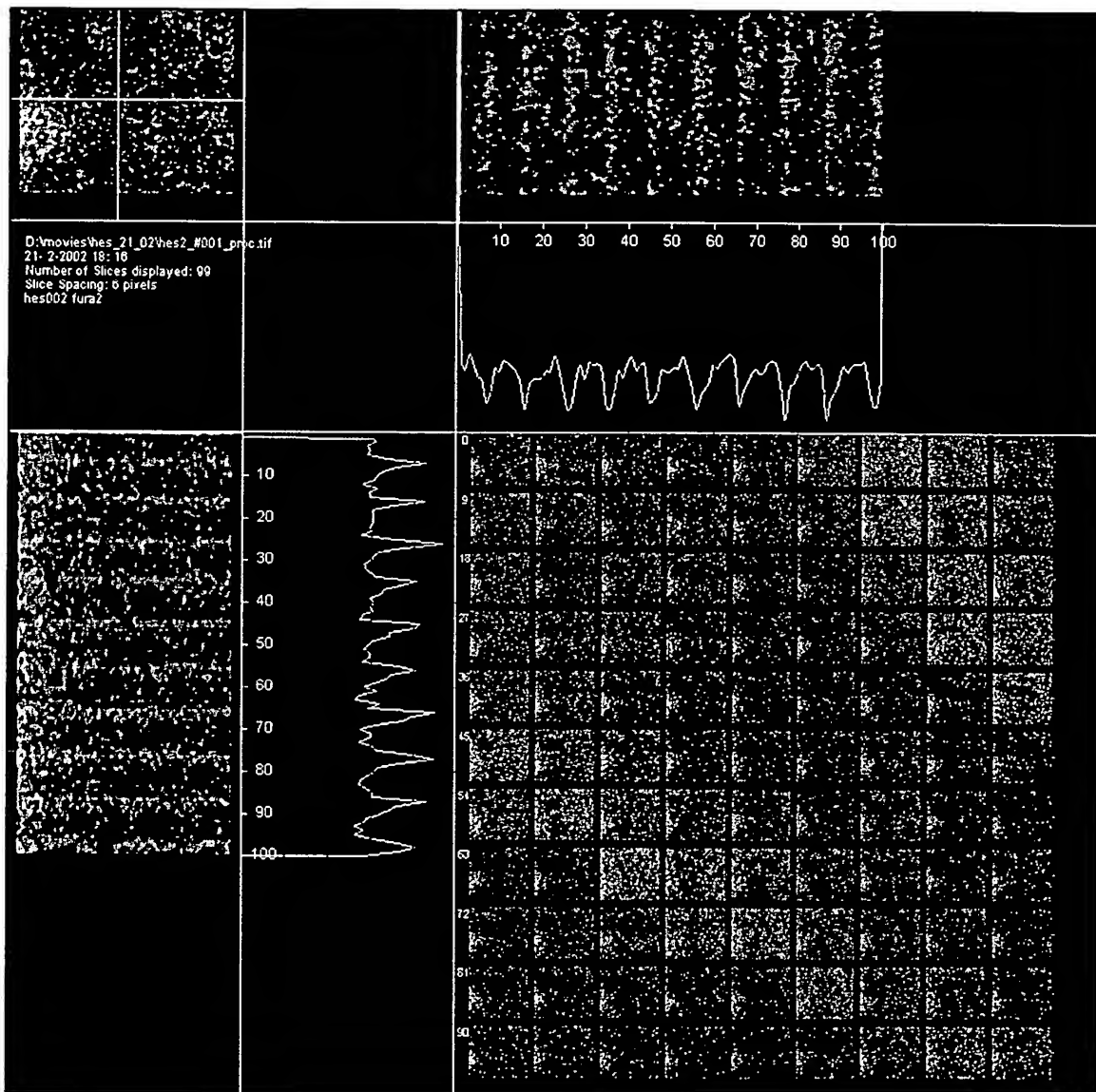


Fig. 9B

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Cardiomyocytes derived from Human Embryonic Stem Cells

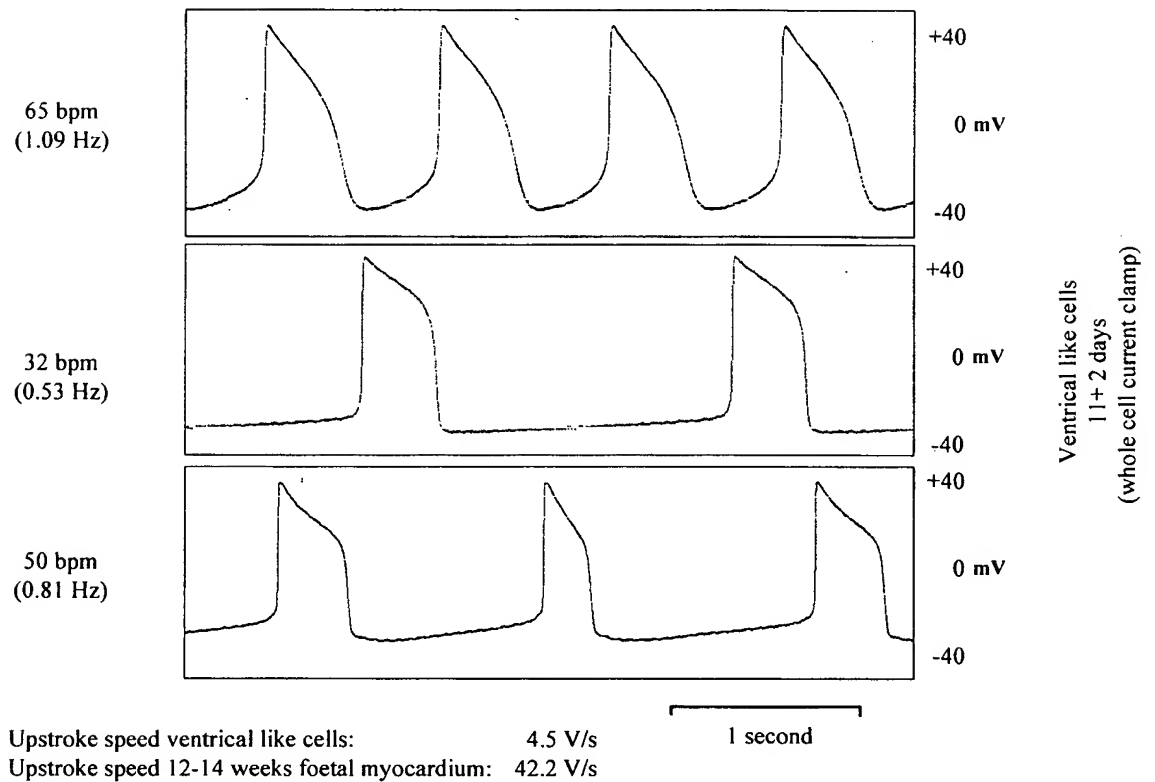


Fig. 9A

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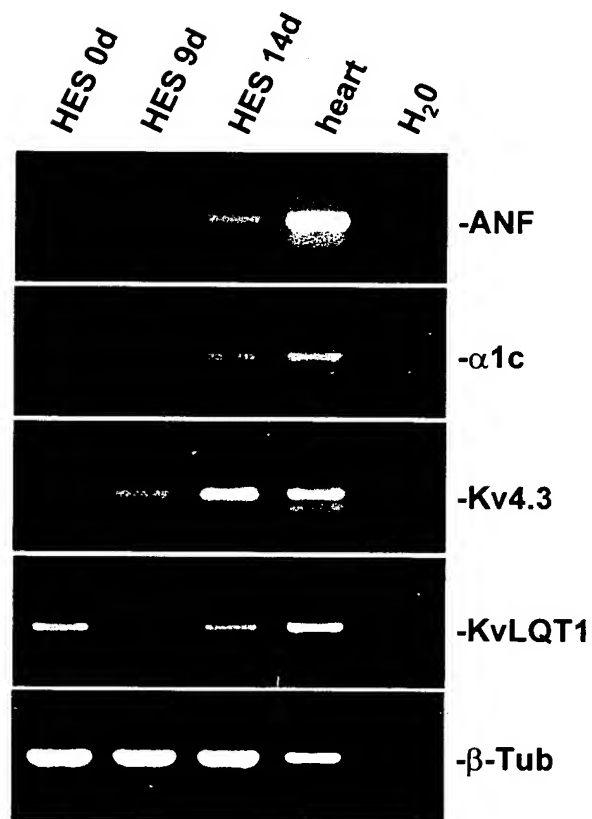


Fig. 8

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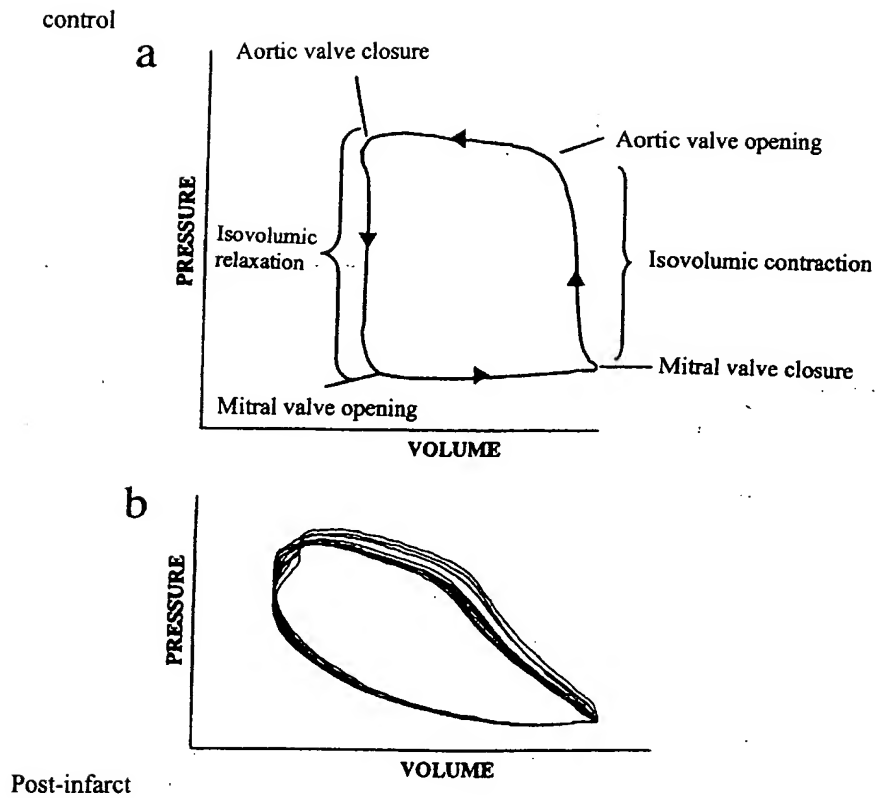


Fig. 7

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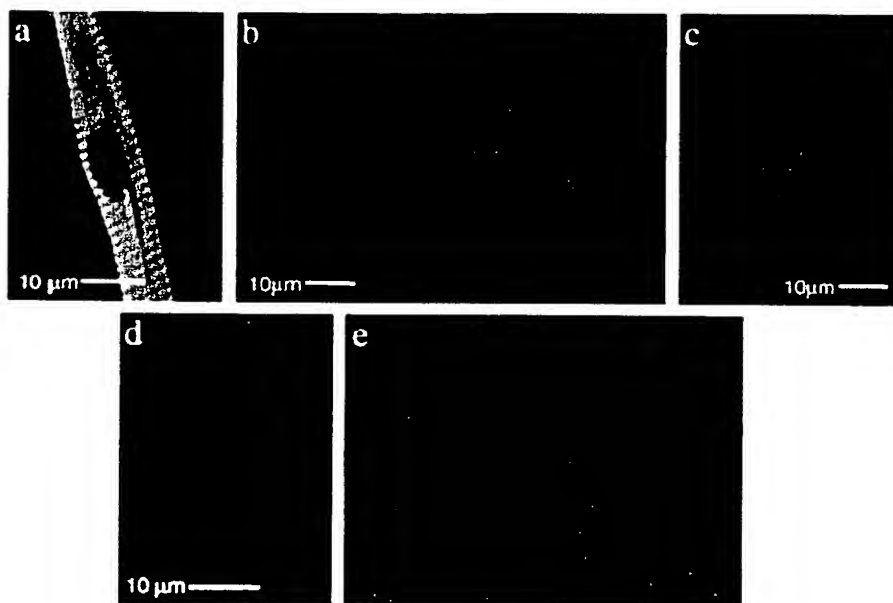


Fig. 6

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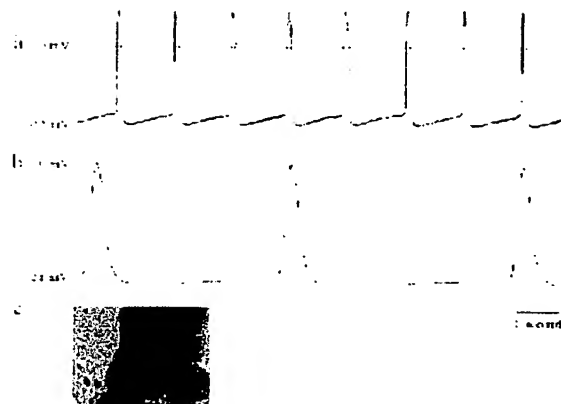


Fig. 4

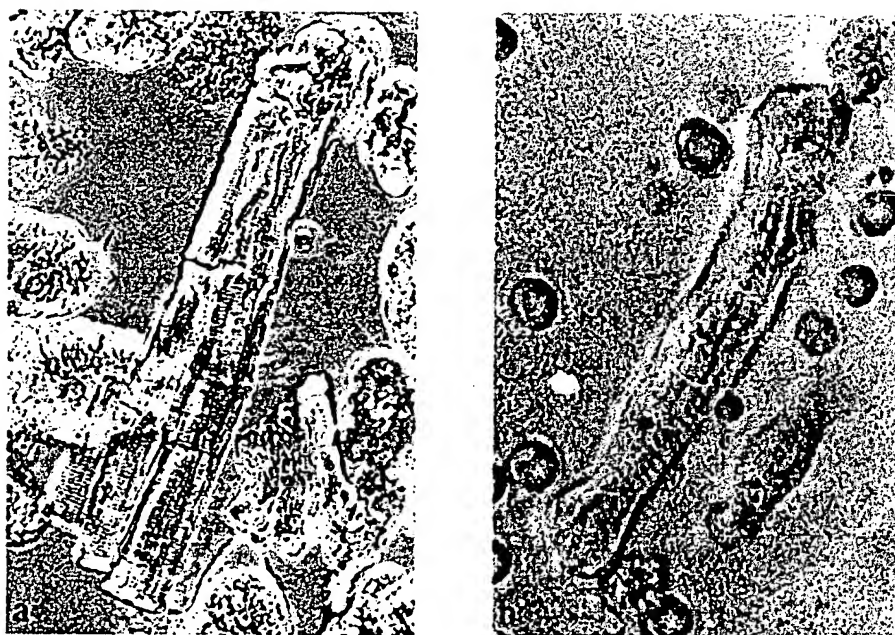


Fig. 5



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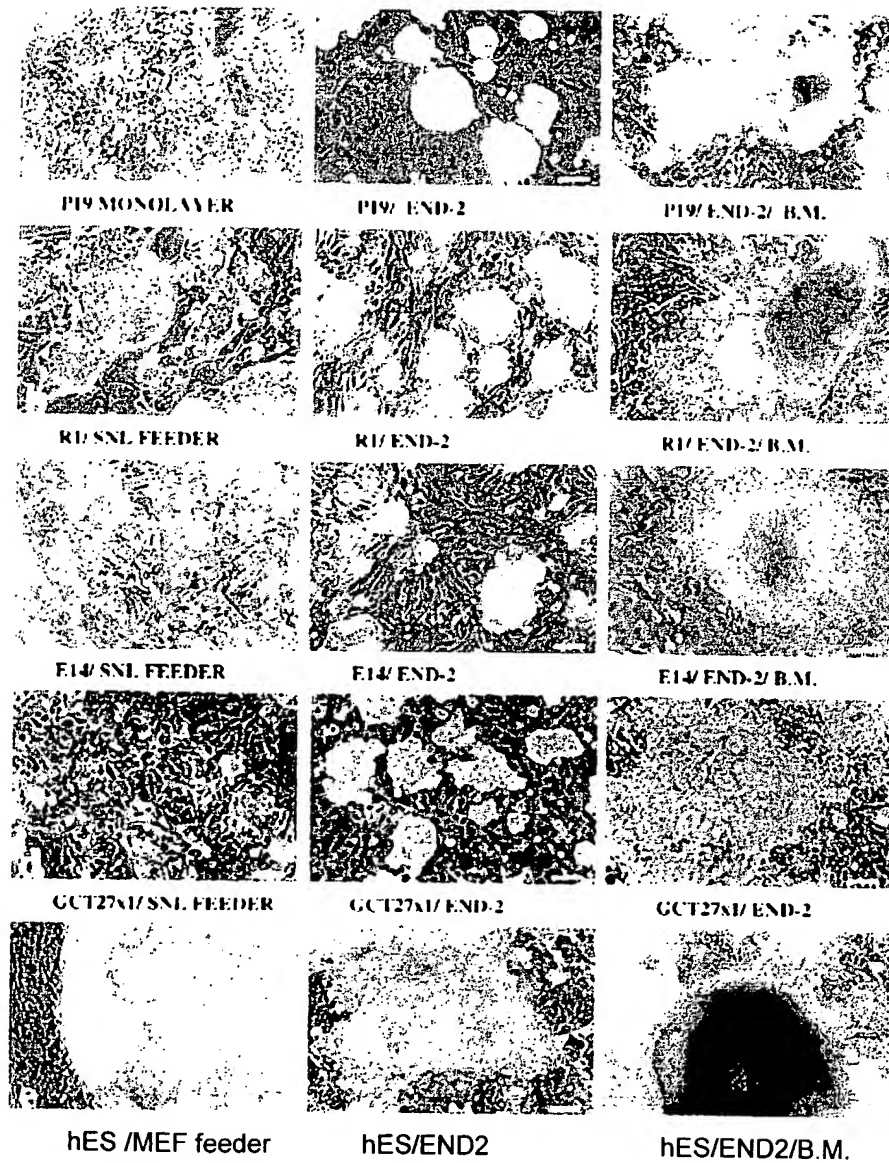


Fig. 3

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hES cells



$\alpha$ -Actinine  
(sarcomeric)  
Staining

Phase contrast: area of beating  
muscle

Fluorescent image of same  
area

**Fig. 2**



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Undifferentiated hES colony on MEFs

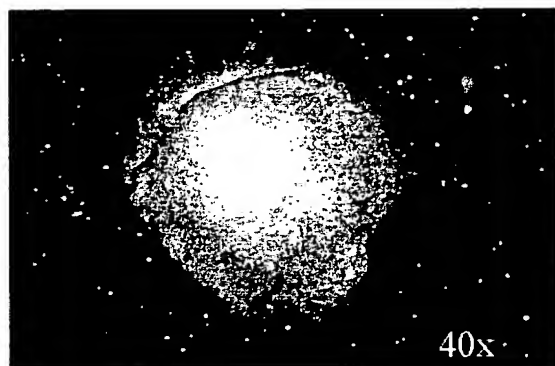


Fig. 1A

hES after 14 days in co-culture with END-2 cells

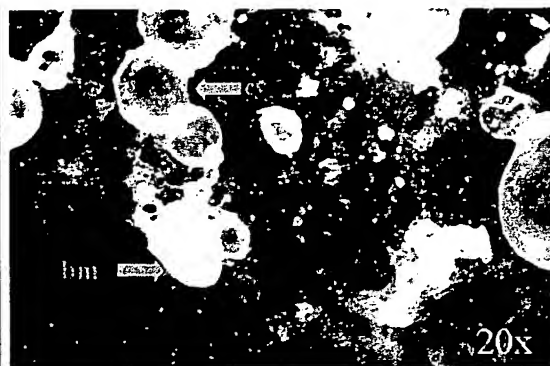


Fig. 1B